

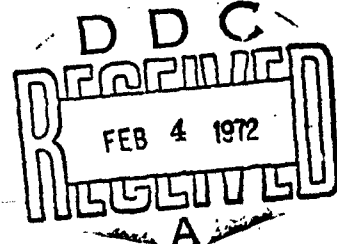
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September 1971

OCD STANDARD METHOD
FOR FALLOUT GAMMA RADIATION SHIELDING ANALYSIS-- SEPTEMBER 1971

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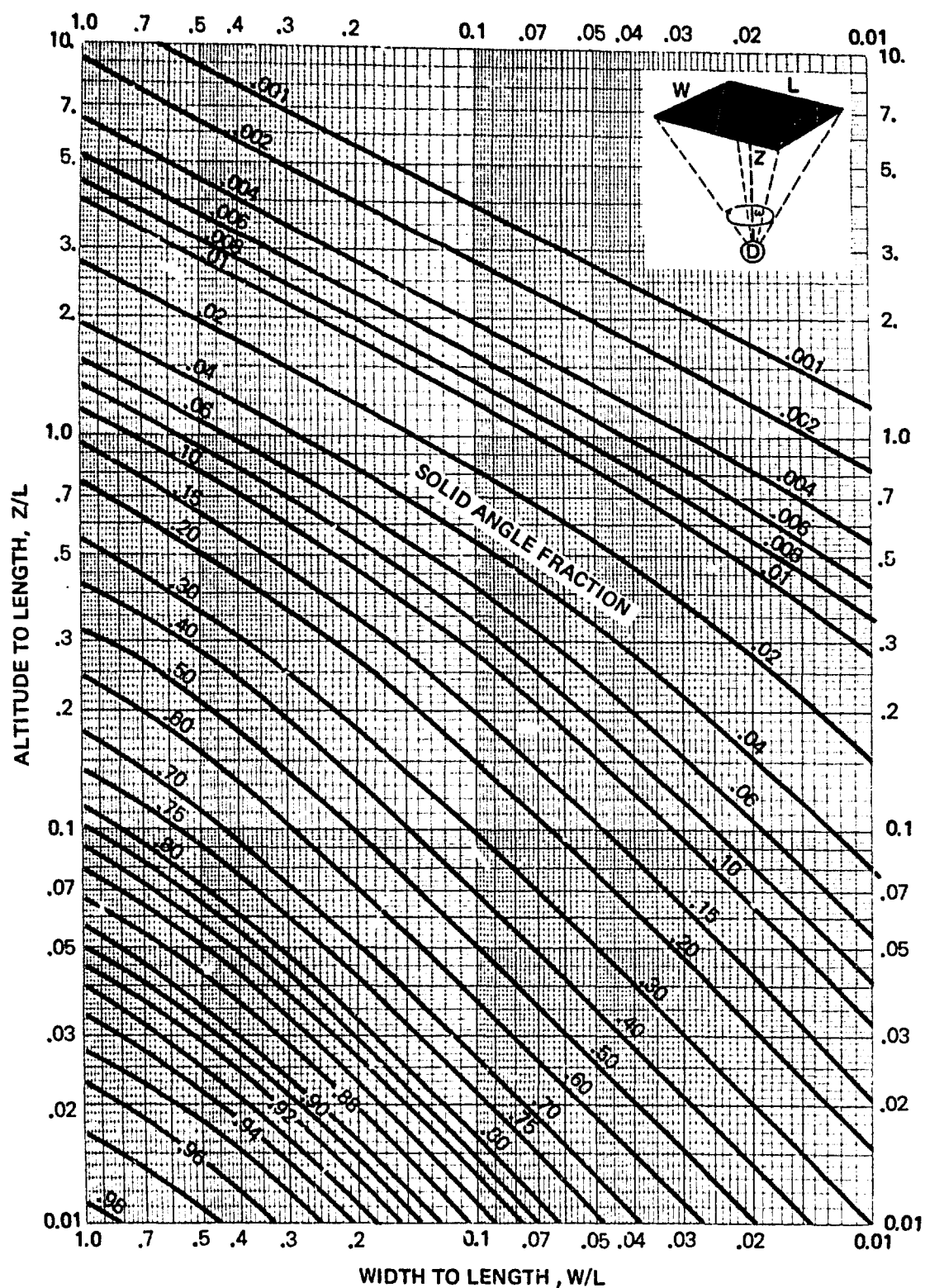


CHART 1 A
SOLID ANGLE FRACTION, $\omega(W/L, Z/L)$
C-2

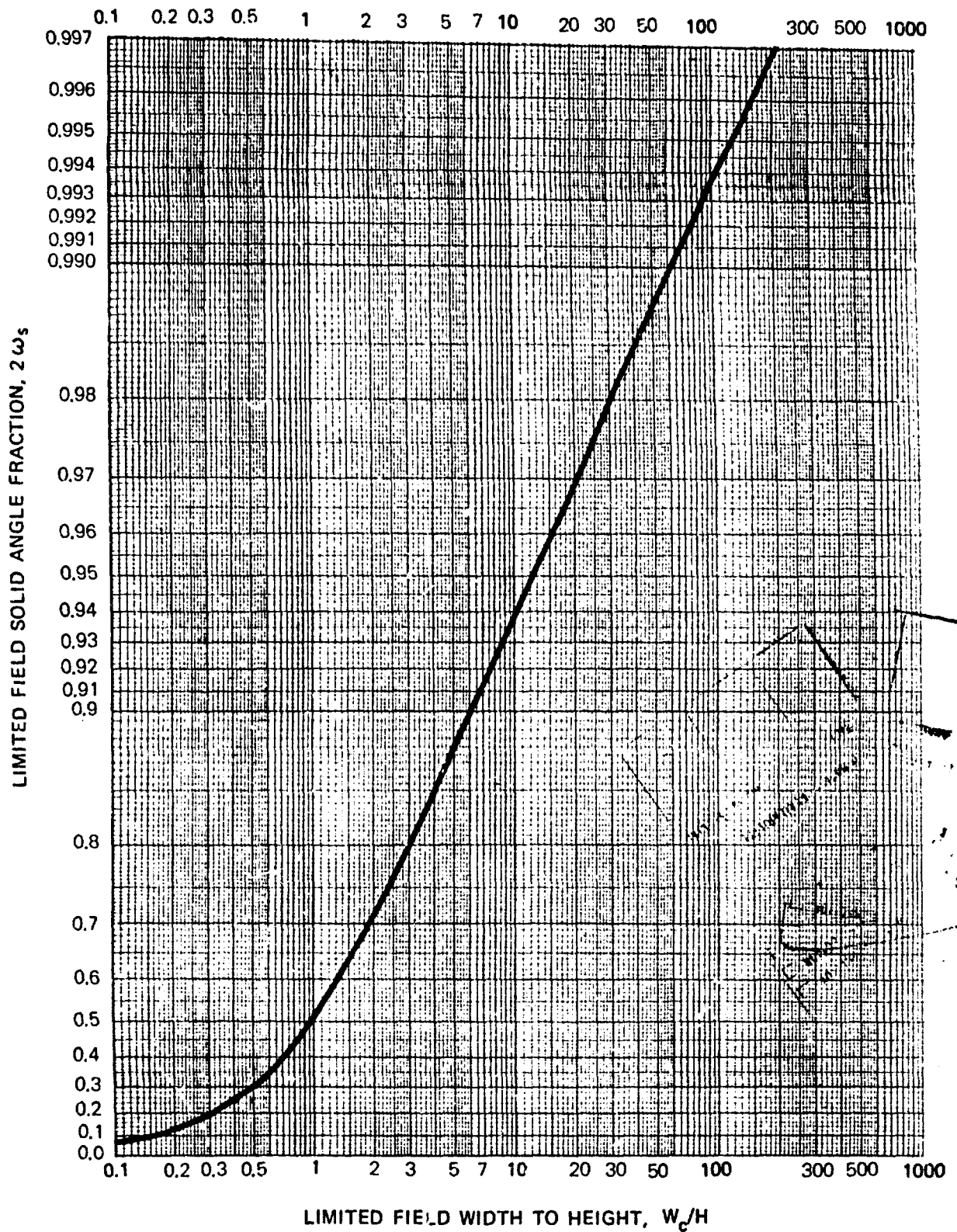


CHART 1B
 LIMITED FIELD SOLID ANGLE FRACTION, $2\omega_s$
 C3

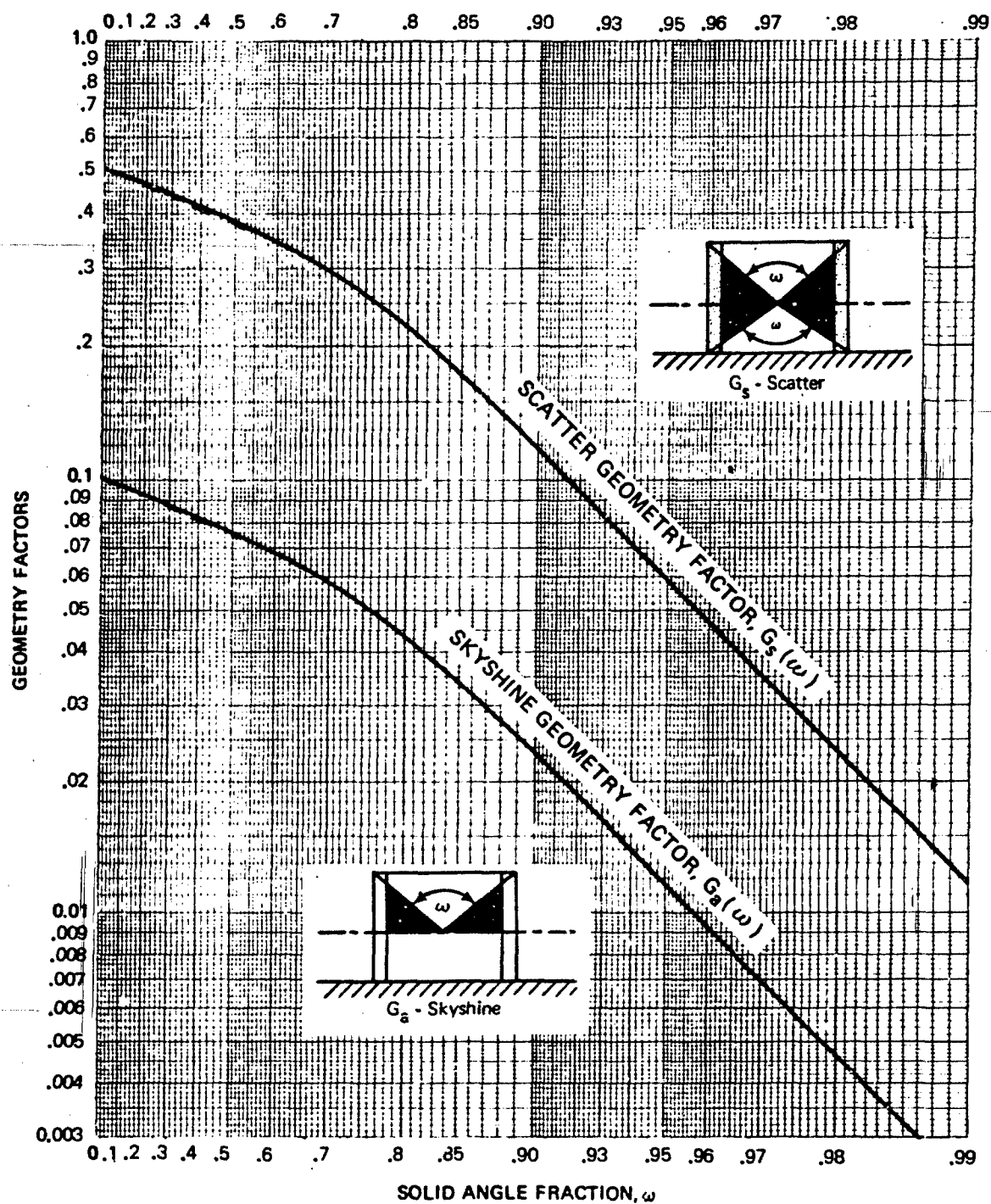


CHART 2
GEOMETRY FACTORS - SCATTER, $G_s(\omega)$ AND SKYSHINE, $G_a(\omega)$

C-4

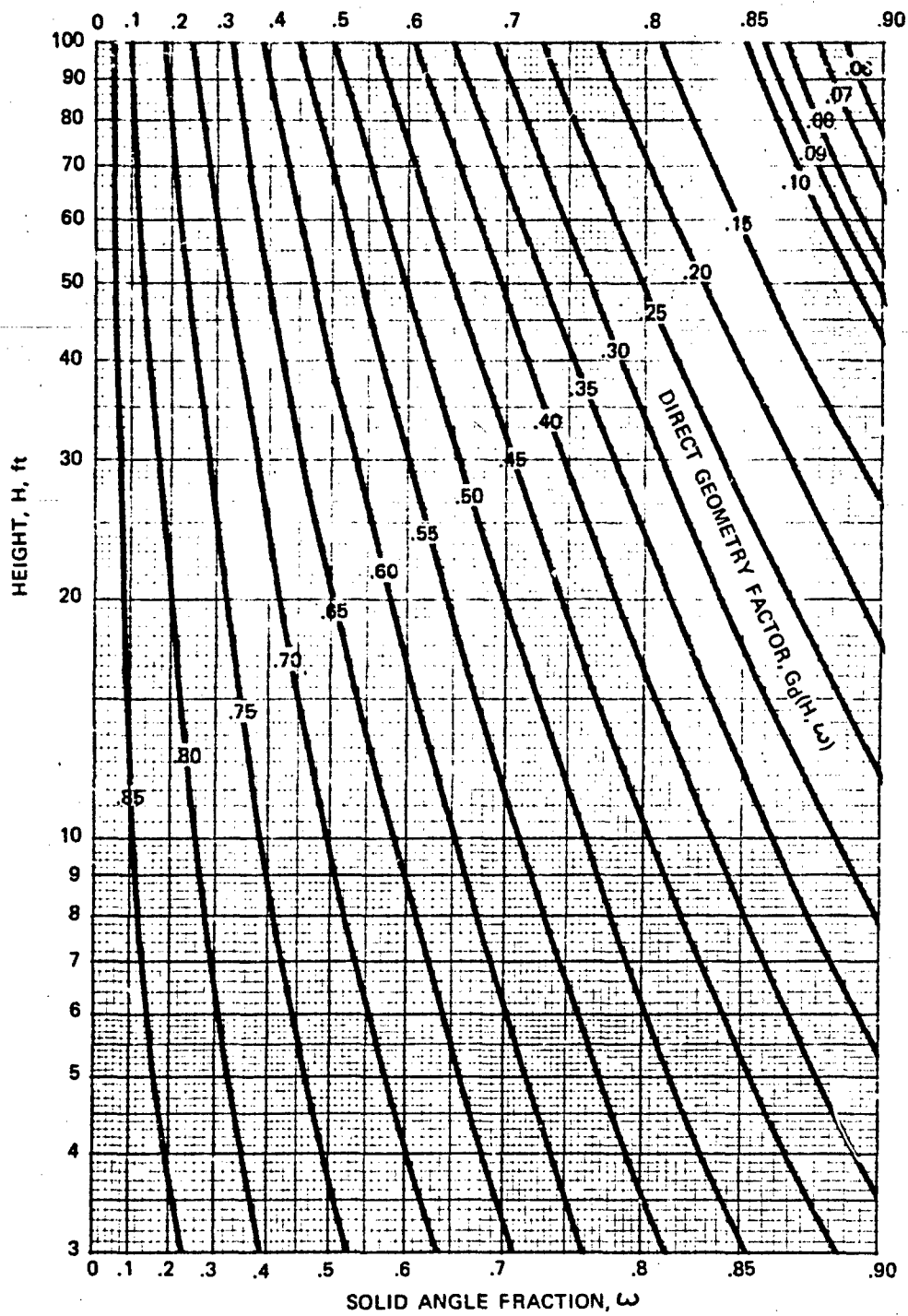


CHART 3A
GEOMETRY FACTOR - DIRECT, $G_d(H, \omega)$
C-5

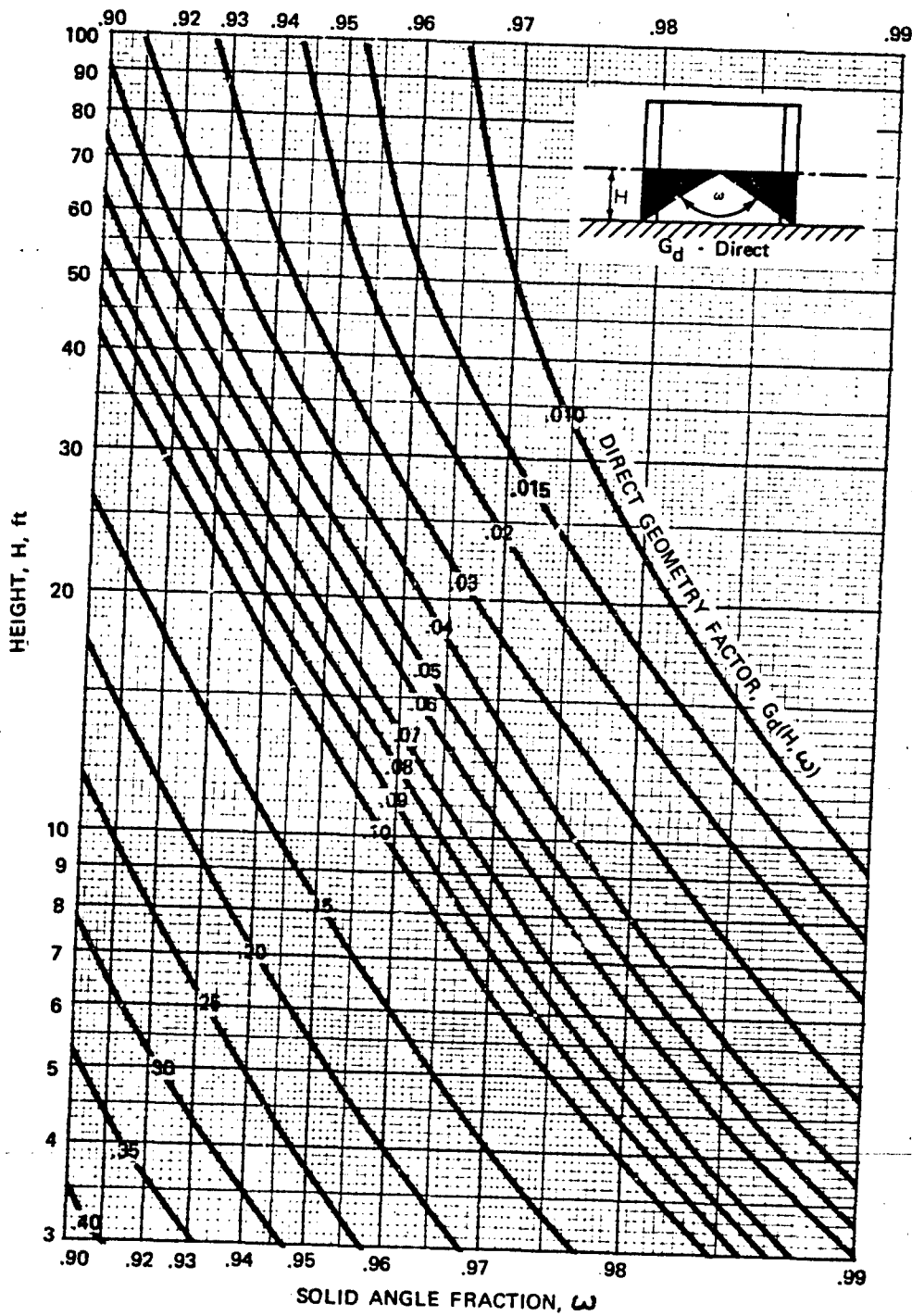
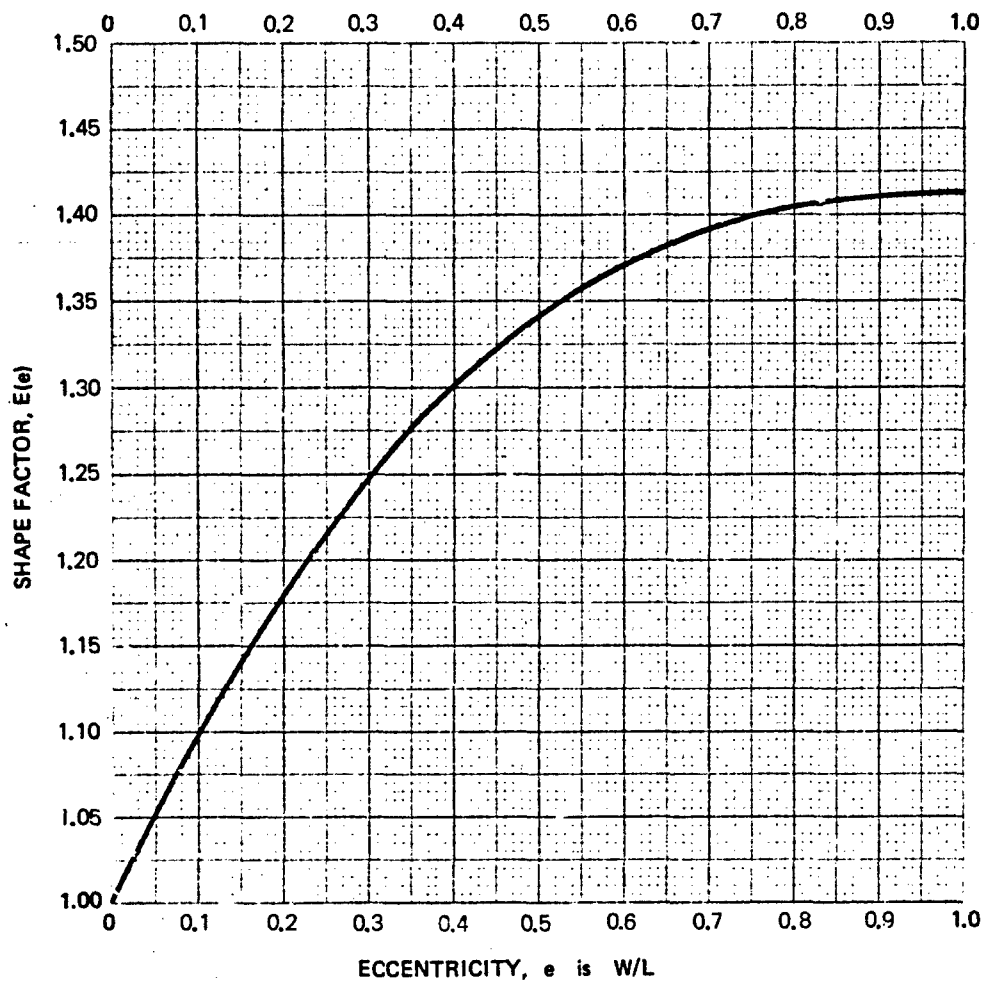
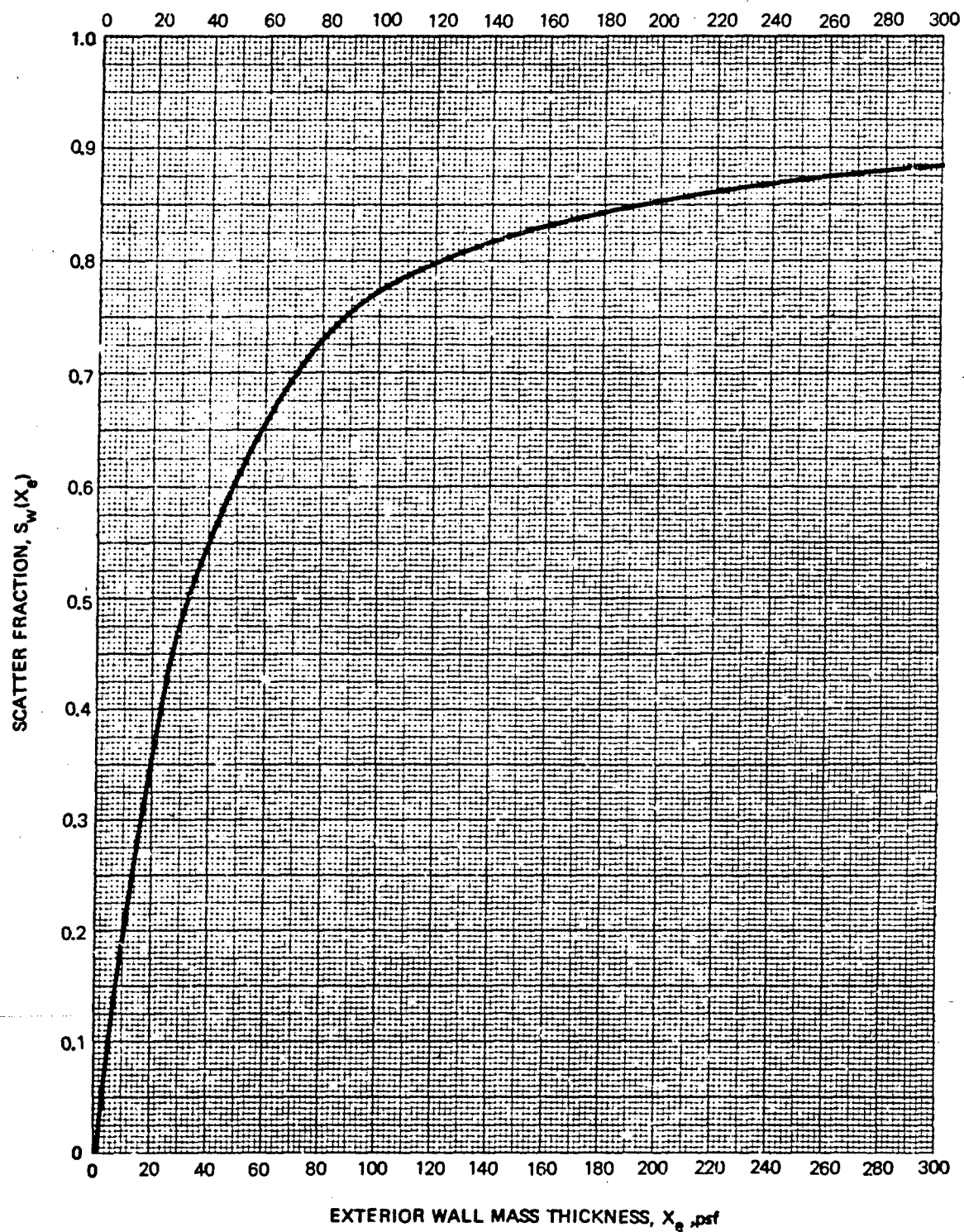


CHART 38
 GEOMETRY FACTOR - DIRECT, $G_d(H, \omega)$
 C-6



$E(e)$ FOR CIRCULAR STRUCTURES IS $\frac{\pi}{2} = 1.571$

CHART 4
SHAPE FACTOR, $E(e)$
C-7



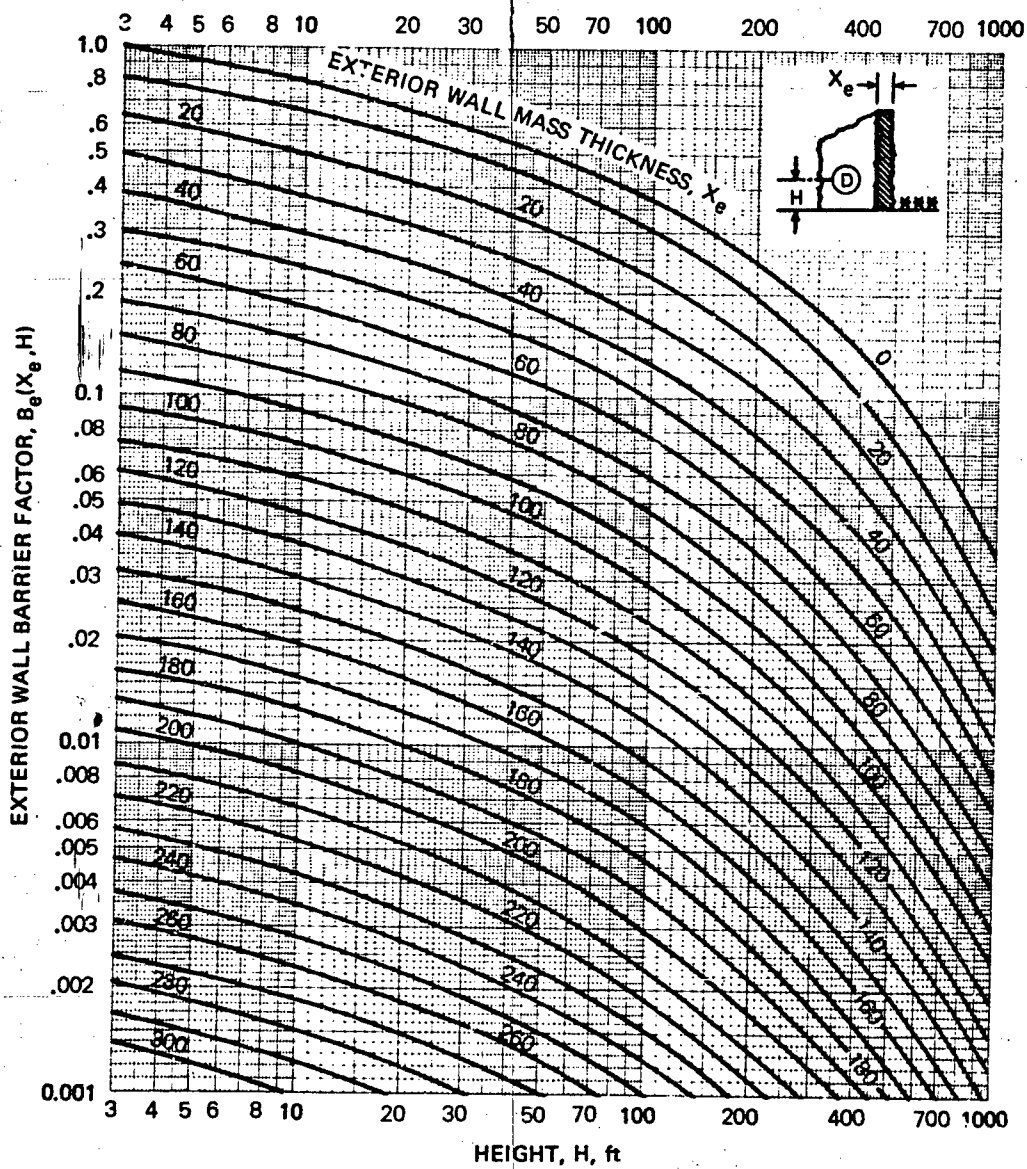


CHART 6
EXTERIOR WALL BARRIER FACTOR, $B_e(X_e, H)$

C-9

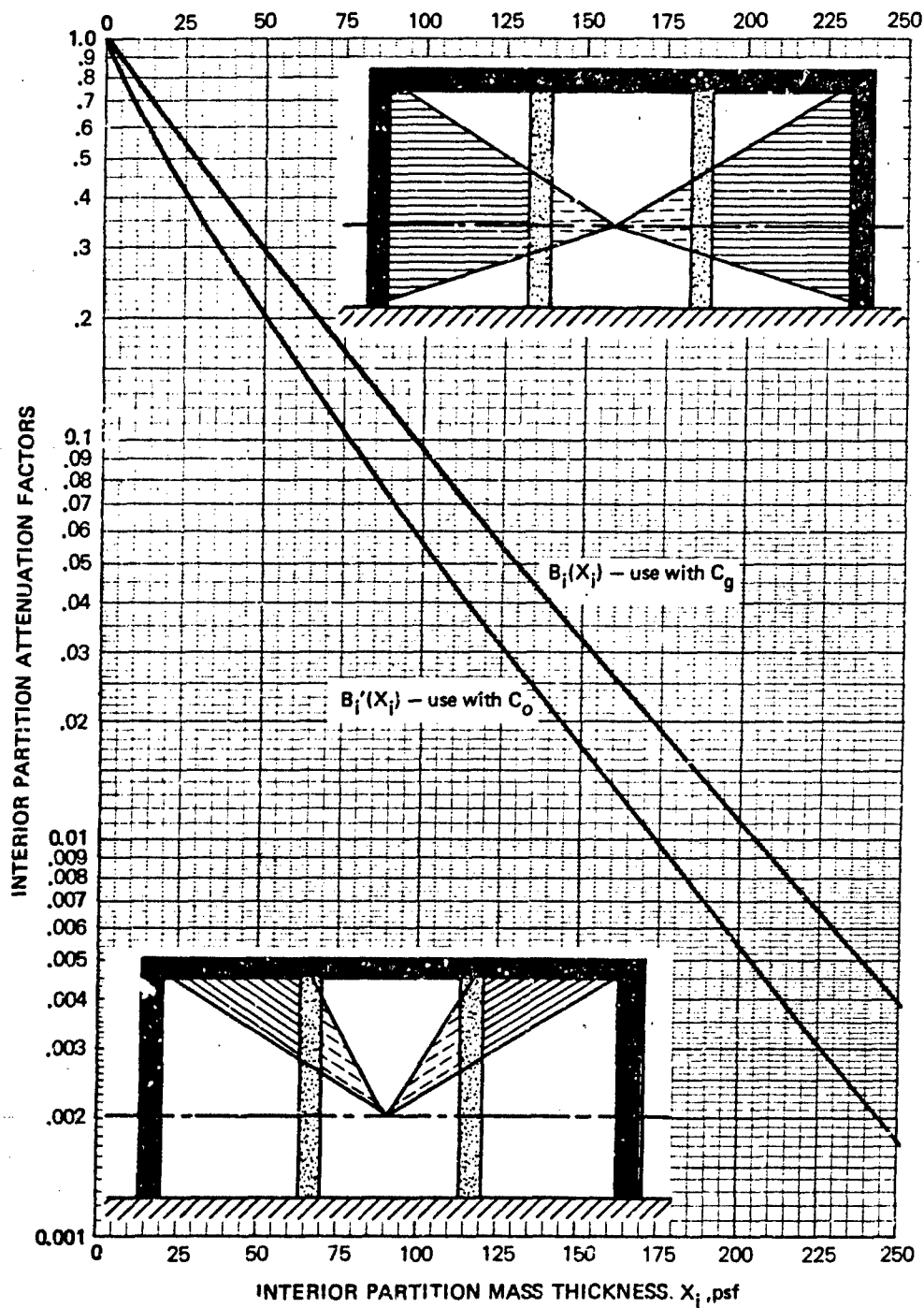


CHART 7
 INTERIOR PARTITION ATTENUATION FACTORS, $B_i(X_i)$ and $B'_i(X_i)$
 C-10

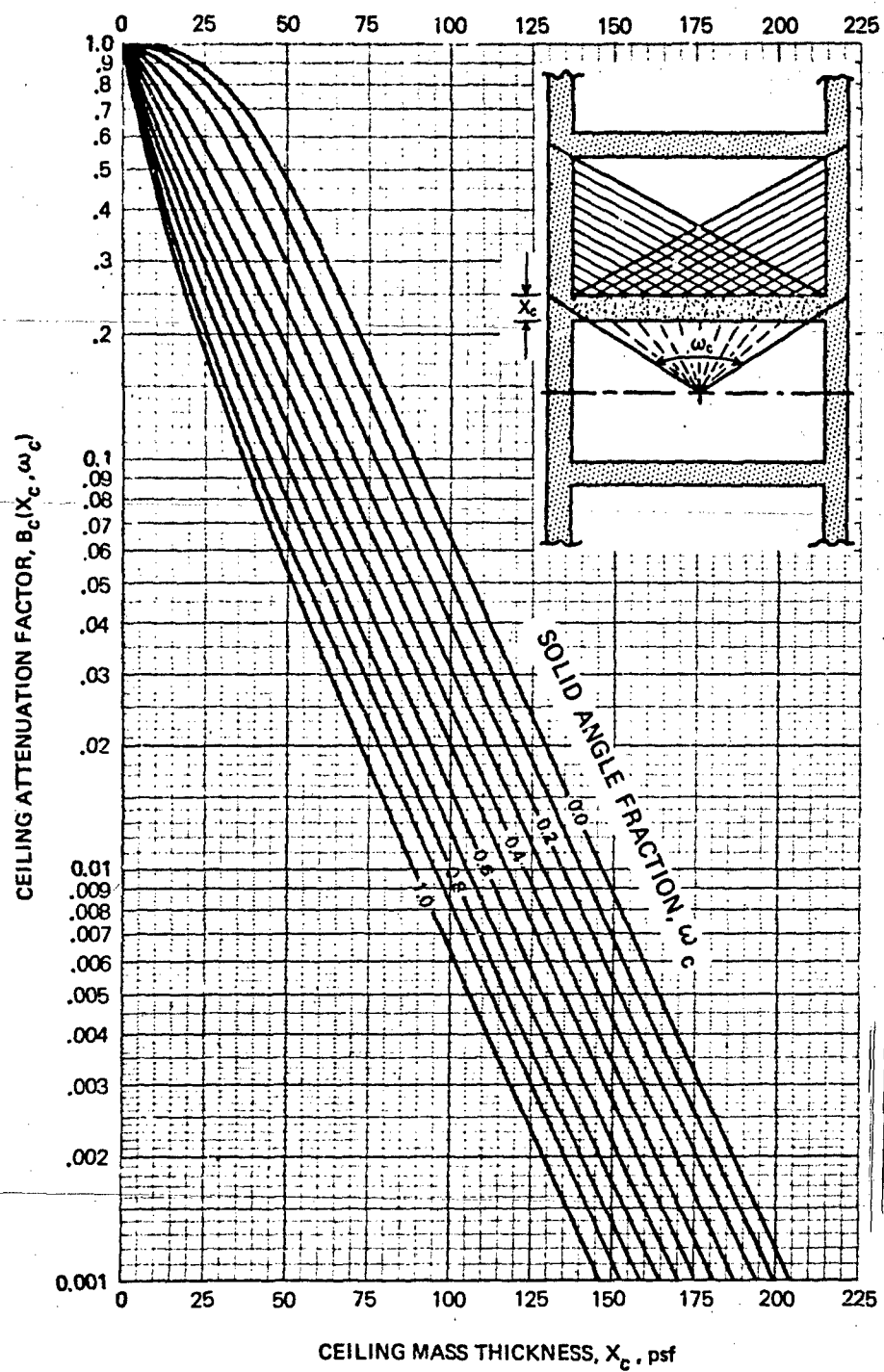


CHART 8A
CEILING ATTENUATION FACTOR, $B_c(X_c, \omega_c)$
C-11

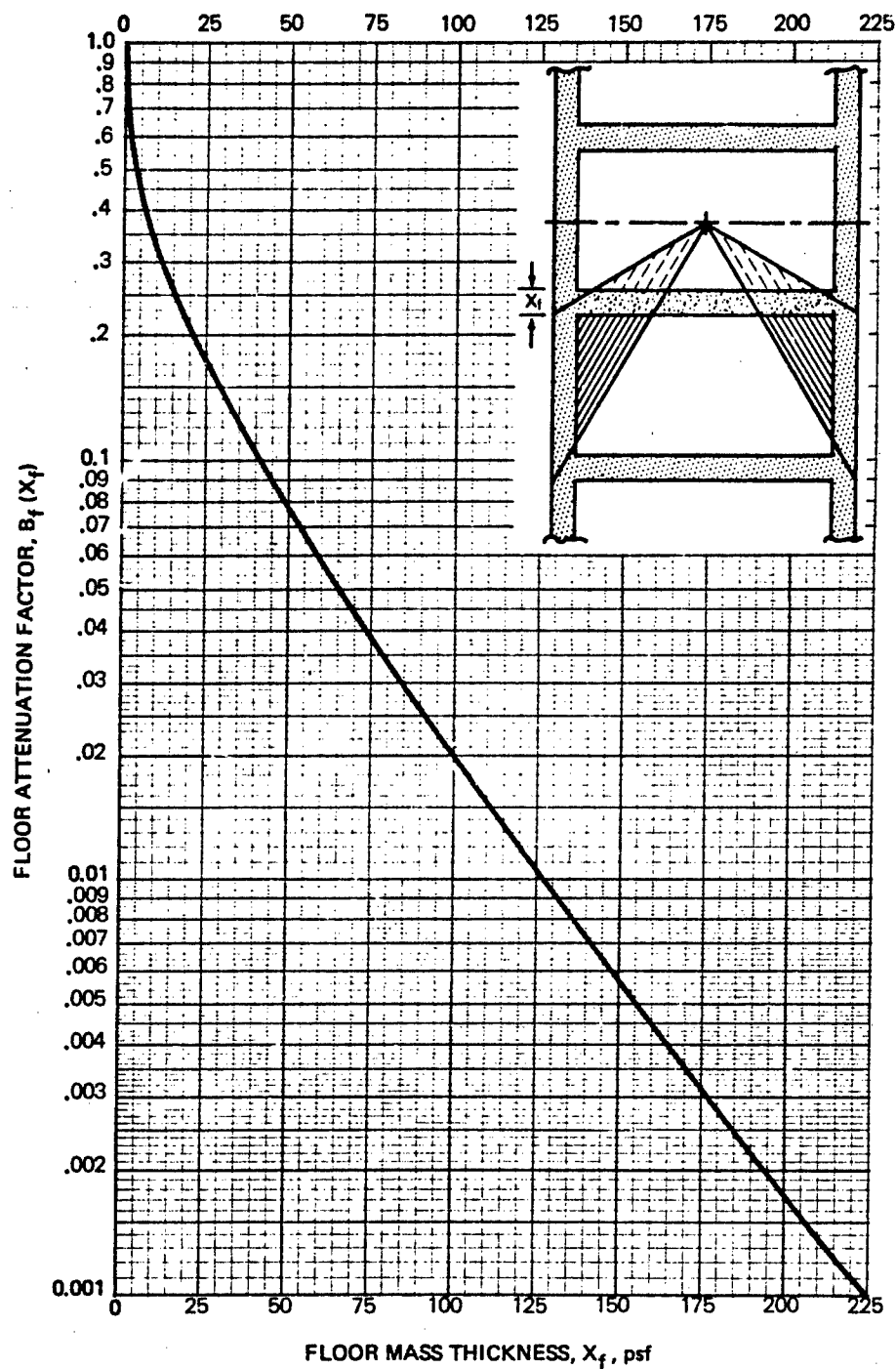


CHART 8B
FLOOR ATTENUATION FACTOR, $B_f(X_f)$
C-12

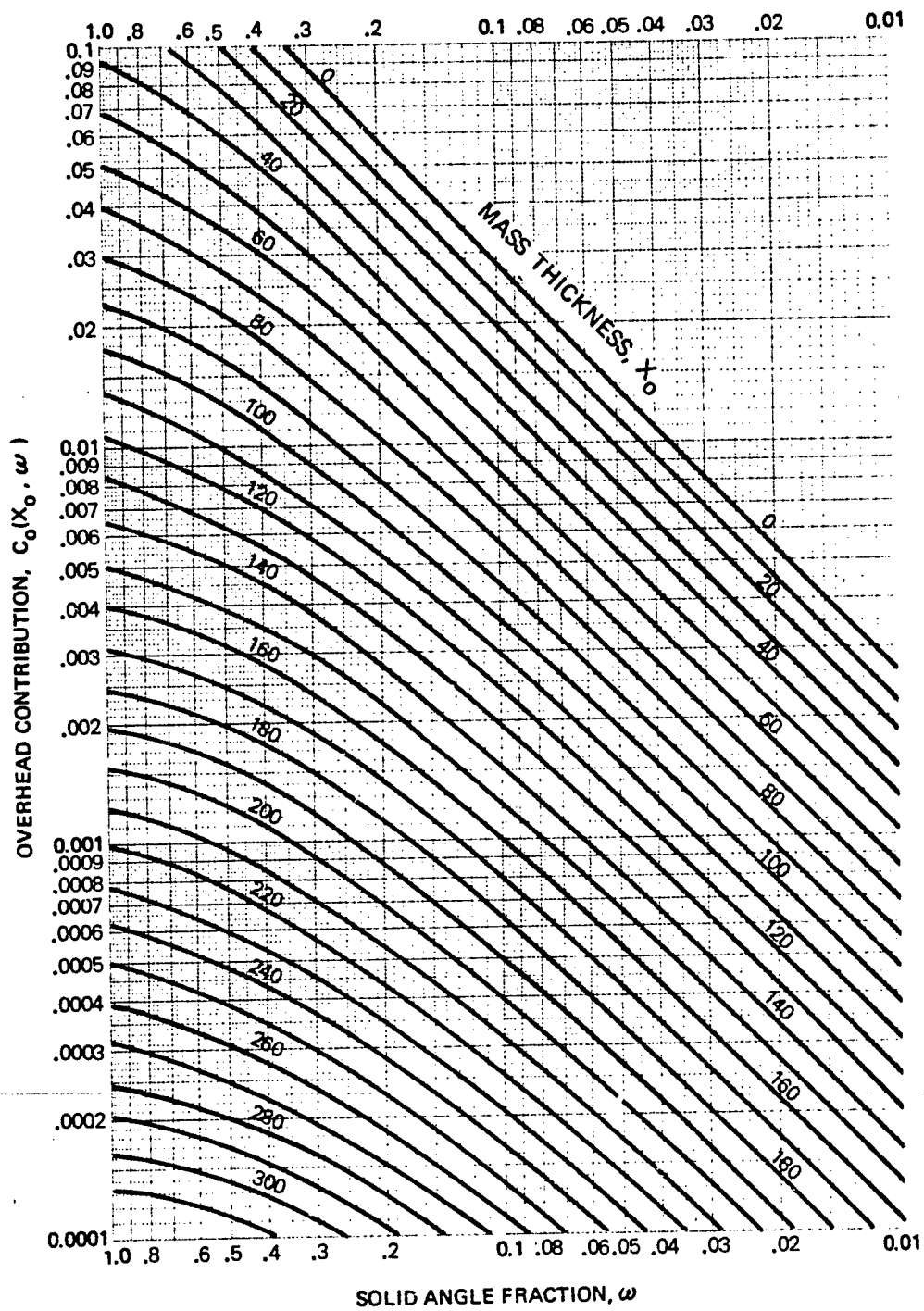


CHART 9
OVERHEAD CONTRIBUTION, $C_0(X_0, \omega)$
C-13

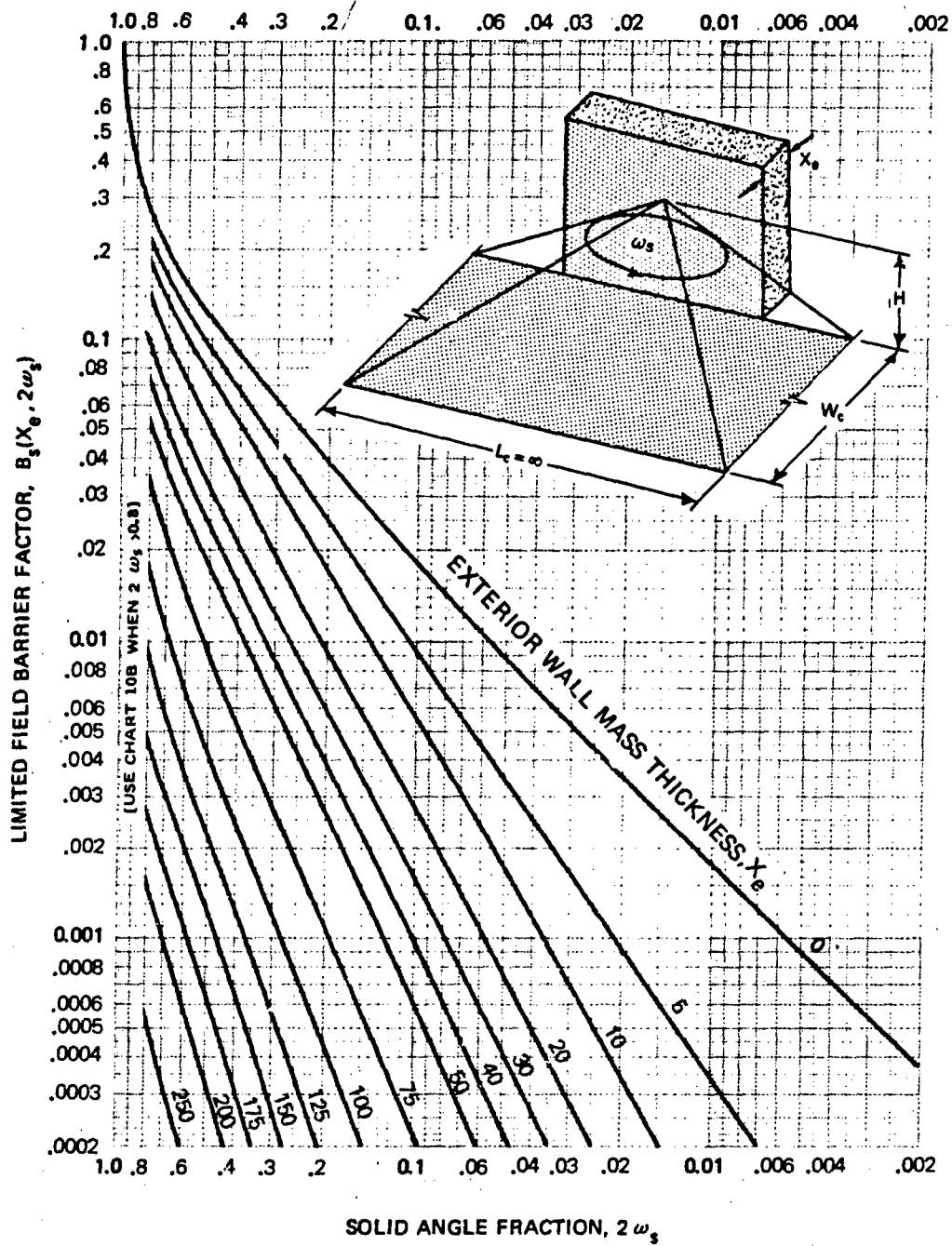


CHART 10A
 LIMITED FIELD BARRIER FACTOR, $B_s(X_e, 2\omega_s)$

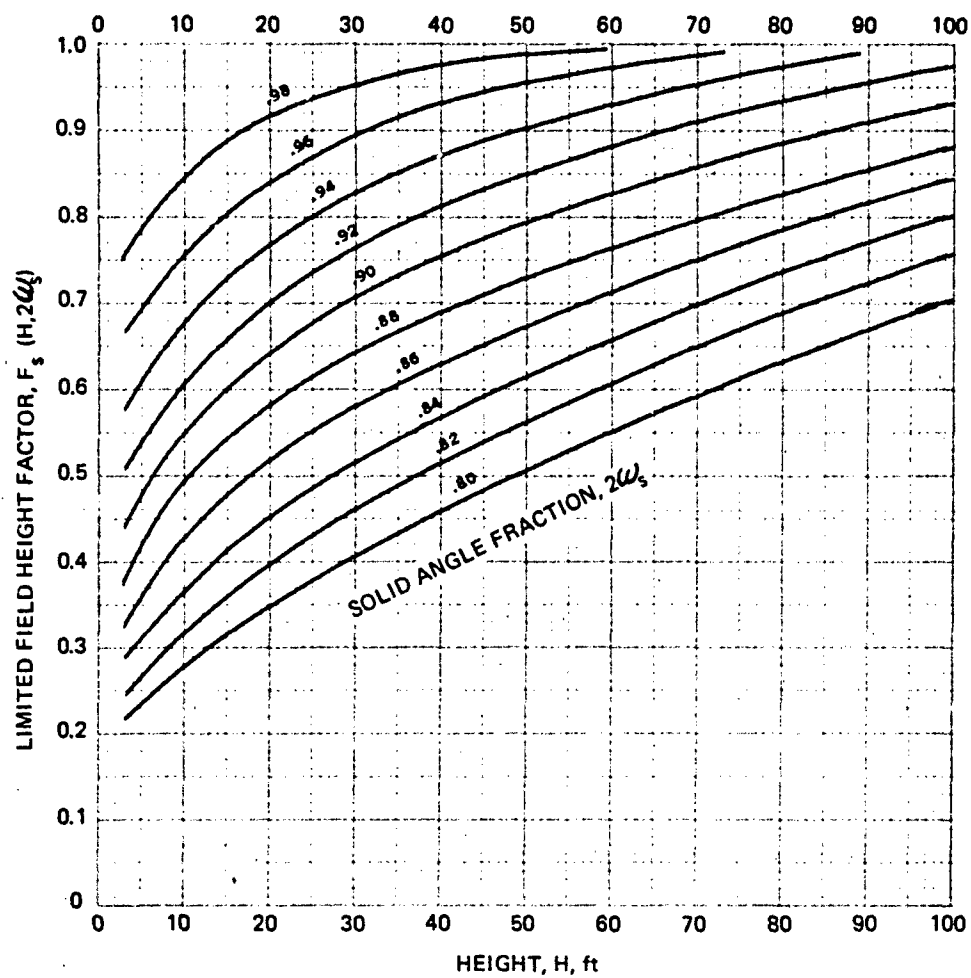
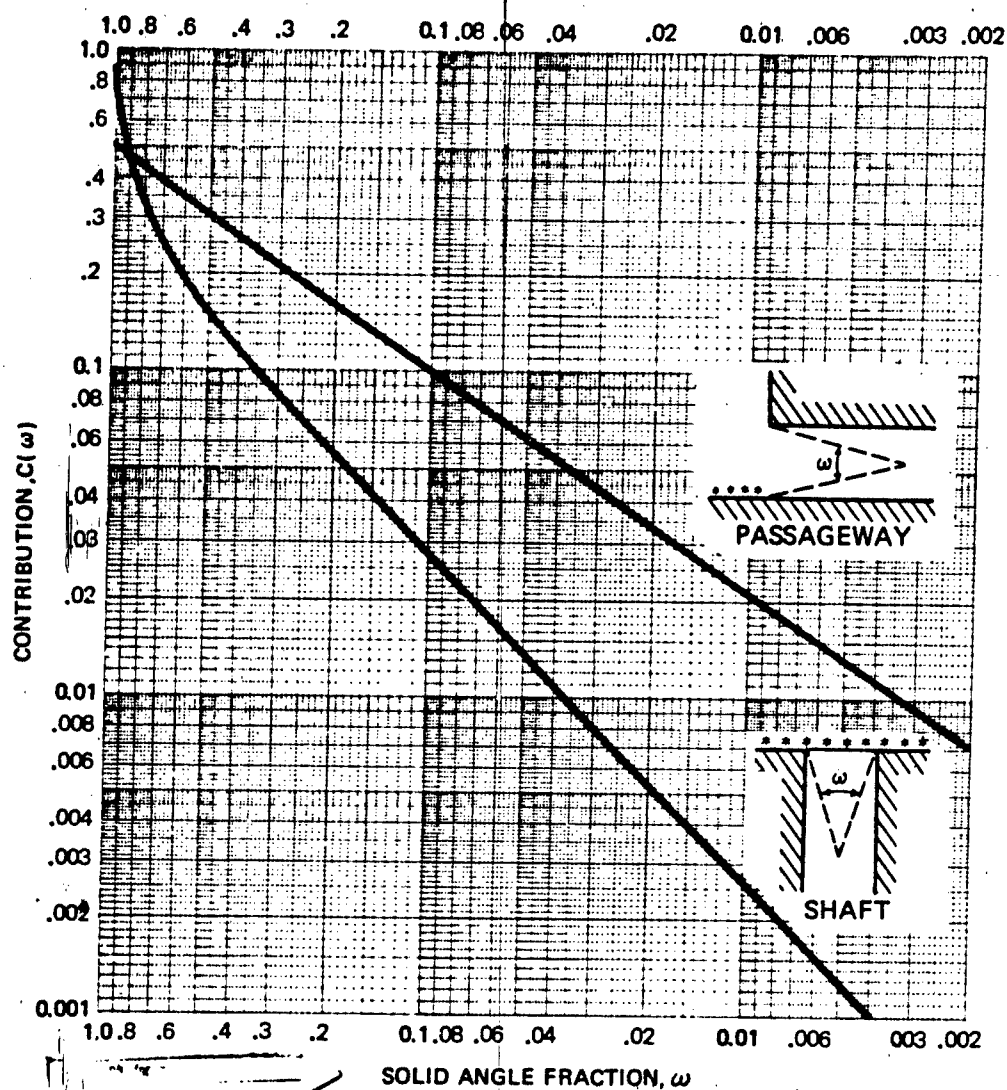


CHART 10B

LIMITED FIELD HEIGHT FACTOR, $F_s(H, 2\omega_s)$

$$B_s(X_e, 2\omega_s) = F_s(H, 2\omega_s) \cdot B(X_e, H)$$



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CHART 11
PASSAGEWAYS AND SHAFTS, $C(\omega)$